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APPENDIX I

MARKED-UP VERSION OF AMENDED CLAIMS

1. (Amended) A method for calculating an absolute position [and time]of a GPS receiver and an absolute time of reception of satellite signals comprising:

    providing pseudoranges that estimate the range of the GPS receiver to a plurality of GPS satellites;

    providing an estimate of an absolute time of reception of a plurality of satellite signals;

    providing an estimate of a position of the GPS receiver;

    providing satellite ephemeris data;

    computing absolute position and absolute time using said pseudoranges by updating said estimate of an absolute time and the estimate of position of the GPS receiver.

17. (Amended) A method for calculating absolute time of reception of satellite signals in a GPS receiver comprising:

    providing pseudoranges that estimate the range of the GPS receiver to a plurality of GPS satellites;

    providing an estimate of position of the GPS receiver; and

    computing absolute time using the pseudoranges and the position estimate.

33. (Amended) A system for computing an absolute position [and time for]of a GPS receiver and an absolute time of reception of satellite signals comprising:

    a mobile device comprising a GPS receiver and a wireless transceiver;

    a server being in wireless communication with said mobile device;

where said GPS receiver computes pseudoranges that estimate the range of the GPS receiver to a plurality of GPS satellites and the wireless transceiver transmits said pseudoranges to the server;

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where the server computes an absolute position and absolute time for the GPS receiver using the pseudoranges and an estimate of position and time.